Abstract

~~A~~ In a method for the continuous real time tracking of the position of at least one mobile object in a defined multidimensional ~~space-comprising~~ space, at least one mobile transmitter module ~~which~~ is attached to at least one mobile ~~object,~~ object and the signals from ~~said~~ the at least one module ~~being~~ are received by a stationary receiving and signal processing network and then centrally processed. The signals emitted by ~~the~~ each transmitter module are electromagnetic waves sent within a frequency band range using time division ~~multiplex~~ multiplexing techniques. Due to the fact that the frequency band is used as a single channel for the purpose of maximizing the accuracy with which a position is detected, and due also to the fact that the communication process between the transmitters ~~(Sp, Sb)~~ and the receivers ~~(E_1,..., E_n)~~ is based on the principle of pseudo-random time division ~~multiplex~~ multiplexing using burst transmissions of low cross correlation with non synchronized pseudo-random patterns, there is created a method for the continuous tracking of the position of one or more mobile objects at any time and in any place which is of very high positional resolution and has a temporal resolution of just a few milliseconds. ~~(Fig. 1)~~